

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/042575 A2

- (51) International Patent Classification⁷: **C07K 14/475**
- (21) International Application Number:
PCT/DK2004/000741
- (22) International Filing Date: 28 October 2004 (28.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PA 2003 01612 30 October 2003 (30.10.2003) DK
60/516,596 31 October 2003 (31.10.2003) US
- (71) Applicant (for all designated States except US):
PHARMEXA A/S [DK/DK]; Kogle Allé 6, DK-2970
Hørsholm (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **RASMUSSEN, Peter, Birk** [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). **DAL DEGAN, Florence** [FR/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). **RÉNARD, Valéry** [FR/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). **KLYSNER, Steen** [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). **VOLCK, Birgitte** [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK).
- (74) Agent: **INSPICOS, A/S**; Bøge Allé 5, P.O. Box 45, DK-2970 Hørsholm (DK).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/042575 A2

(54) Title: METHOD FOR DOWN-REGULATION OF VEGF

(57) Abstract: The present invention provides for novel immunogenic variants of VEGF (vascular endothelial growth factor) which are useful in active specific immunotherapy against diseases that are characterized by overexpression of VEGF. The invention also relates to methods of treating such diseases (for instance cancer) as well as to various tools in molecular biology that assist in the provision of the immunogenic variants.